

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005765**Date Inspected:** 16-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhong Boa Lei**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG segments and Bike path**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Steve Hall was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

OBG outside assembly (OBG segment 5AW)

This QA received ZPMC Non Destructive Testing (NDT) notification No. 002288 and performed Ultrasonic Testing (UT) of approximately 10% of the welds previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA generated a UT report for this date. The weld designations are as follows: SEG021A-001, 002, 003, 005 and 006.

This QA did not complete the testing of all the welds listed on the above NDT notification on this date.

OBG outside assembly (OBG segment 4AE / 5BE / 4BW / 5BW / 5CW / 5CE)

This QA observed no significant work being performed on the above mentioned segments on this date while QA was present.

OBG bay 19

This QA followed up on an incident report issued by this QA on 03/15/09 concerning improperly stored cross

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beam and bike path material. This QA spoke with ABF representative identified as Mr. Kelvin Cheung concerning this issue. Mr. Cheung informed this QA that he would have the contractor re-stack the material in an acceptable manner. This QA returned to this bay later in the day and observed ZPMC personnel re-stacking some of the material in question in a manner that appeared to be contract compliant.

This QA received ZPMC Non Destructive Testing (NDT) notification No. 002294 to perform UT of approximately 10% of the welds previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA was informed by ZPMC QC identified as Mr. Zhou Cheng that the following component and weld joints were not in this bay:

CB204A-001-013~015

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

As mentioned above.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Patrick Lowry (858)-344-2712, who represents the Office of Structural Materials for your project.

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| Inspected By: | Hall,Steven | Quality Assurance Inspector |
| Reviewed By: | Carreon,Albert | QA Reviewer |
